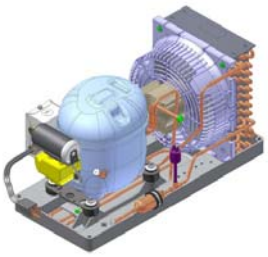
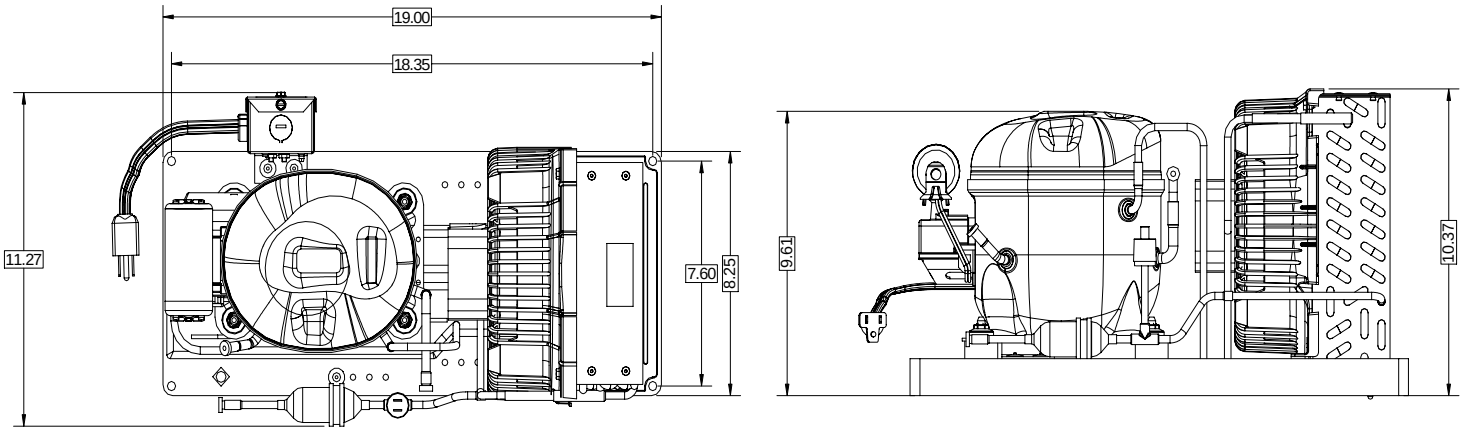
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AE2413U-AA1AGK**
BOM	**33Y322-3**
Air Cooled	**1/3 HP**
Application	**Low Temp**
Refrigerant	**R290**
Volts-Hz-Ph	**150-60-1**





AE2413U-AA1AGK	Dim. Enclosure (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	19.00	11.27	10.37	5/16"	1/4"	---	170	9.64	39.8 (18.05)

Factory charge 20 psig dry air, **MUST BE EVACUATED**
Maximum Refrigerant Charge: 150 gr

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	1.6	580	190	147	88	520	190	169	98	480	200	193	107	440	200	219	117
-35	3.6	700	210	150	90	640	210	172	99	580	210	196	109	530	220	222	118
-30	5.8	820	230	156	92	750	230	178	101	680	230	202	111	620	230	228	120
-25	8.3	950	240	161	95	860	240	184	104	780	240	208	113	710	250	235	122
-20	10.9	1070	260	167	97	970	260	190	106	880	260	214	115	800	260	241	124
-15	13.8	1250	270	165	96	1130	270	187	105	1030	270	211	114	930	280	237	123
-10	**16.9**	**1400**	**280**	**169**	**98**	**1280**	**290**	**191**	**107**	**1160**	**290**	**215**	**116**	**1050**	**290**	**241**	**124**
-5	20.3	1560	300	173	100	1430	300	196	109	1300	300	220	117	1180	310	246	126
0	23.9	1730	310	178	102	1590	320	201	110	1450	320	225	119	1330	330	251	128
5	27.8	1910	330	184	104	1760	330	207	113	1620	340	231	121	1480	350	257	130
10	32.0	2110	340	190	106	1950	350	214	115	1800	360	238	123	1650	370	264	132

Performance @ 60 Hz, Return 40°F, SubCooling 5°F

PRELIMINARY

Parts/Specifications

Unit BOM	**33Y322-39**	Fan Motor	810-141EA
Unit MODEL	**AE2413U-AA1AGK**	Fan Motor RLA	0.32
		Fan Blade	515-021P
Refrigerant	R290	Replacement Fan Motor	
Refrigeration RANGE	-40°F to 10°F	F. M., blade, guard assy	
Design Pressure Low	130	F. M., blade, guard, shroud assy	
Design Pressure High	450		
Volts - HZ - Ph	115V ~ 60HZ	Condenser	50734-G04
Voltage Range	103 - 127	Shroud	
Min. Circuit Ampacity	4.7	Fan Guard	116-003P
Max. Fuse Size	15		
		Power Cord	85106-10
Compressor MODEL	AE2413U-AA1A	Hi Pressure Switch	841-10000
Compressor BOM	AE-1143-E	Liquid Filter/Drier	704-20004
Compressor LRA	25.5		
Compressor RLA	3.5		
OverLoad	830-10055		
Replacement Kit - O/L			
Relay	820-10109		
Replacement Kit - Relay			
Run Capacitor			
Run Capacitor Rating			
Start Capacitor	85PS165E36		
Start Capacitor Rating	176-216 MFD 165V		
Unit drawing DGU	DGBU-062B		
Electrical Diagram	91274